

Application No. 10/525,068  
After Final Office Action of March 17, 2009

Docket No.: 0033-0983PUS1

### AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 31, line 4 and ending on line 9 with the following amended paragraph:

~~<Example 1>~~ <Referential Example 1>

A solution obtained by gradually adding 0.5 g of metallic molybdenum powder to 10 g of hydrogen peroxide water containing 30 % of hydrogen peroxide and making reaction was dissolved in 600 g of isopropyl alcohol, and stirred at 50°C for 1 hour with addition of 153.8 g (aluminum content: 100 g) of a commercially available aluminum pigment (7640NS by Toyo Aluminum K.K., solid content: 65 %).

Please replace the paragraph beginning on page 31, line 19 and ending on line 21 with the following amended paragraph:

~~<Examples 2 to 8>~~ <Referential Examples 2 to 8>

Aluminum pigments according to Referential Examples 2 to 8 were prepared similarly to Referential Example 1.

Please replace the paragraph beginning on page 32, line 23 and ending on page 33, line 2 with the following amended paragraph:

<Comparative Examples 1 to 3>

Aluminum pigments according to comparative examples 1 to 3 were prepared similarly to Referential Example 1. When preparing comparative example 2, however, the aluminum pigment caused abnormal reaction to remarkably generate hydrogen gas and agglomerate in the

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process of reaction for forming a silica coat, and hence no aluminum pigment according to comparative example 2 was obtained. Tables 1 to 3 show manufacturing conditions for the aluminum pigments according to ~~Examples 1 to 10~~ Referential Examples 1—8, Examples 9-10 and comparative examples 1 to 3 and analytical values of compositions.

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Please replace Table 1 on page 33 with the following amended Table 1:

Table 1. Manufacturing Conditions for Aluminum Pigments and Analytical Values of Compositions

Item			Referential Example 1	Referential Example 2	Referential Example 3	Referential Example 4	Referential Example 5
Aluminum Particles	Quantity	(g/g)	100	100	100	100	100
Molybdenum Compound or Pretreatment	Type		Mo/H <sub>2</sub> O <sub>2</sub> 30%aq <sup>-1</sup>	phosphomolybdic acid <sup>-2</sup>	ammonium molybdate/water	Mo/H <sub>2</sub> O <sub>2</sub> 30%aq <sup>-1</sup>	Mo/H <sub>2</sub> O <sub>2</sub> 30%aq <sup>-1</sup>
	Quantity	(g/g)	0.5/10	0.5	0.5/50	0.5/10	0.5/10
Solvent	Type		IPA <sup>-3</sup>	IPA <sup>-3</sup> /water	MF1G <sup>-4</sup>	IPA <sup>-3</sup>	IPA <sup>-4</sup>
	Quantity	(g)	600	600/50	600	600	600
Molybdenum Coat Covering Conditions	Temperature	(°C)	50	50	50	50	50
	Time	(hr)	1	1	1	1	1
Organic Silicon Compound	Type		TEOS <sup>-5</sup>	TEOS <sup>-5</sup>	tetramethoxysila ne	--	TEOS <sup>-5</sup>
	Quantity	(g)	40	40	30	--	80
Silane Coupling Agent	Type		--	--	--	methyl triethoxysilane	--
	Quantity	(g)	--	--	--	20	--
Hydrolytic Catalyst			triethanolamine	ethylenediamine	3-aminopropyl triethoxysilane	ammonia water	triethanolamine
Covering Conditions for Silica Coat and/or Coat Prepared From Silane Coupling Agent	Temperature	(°C)	50	70	90	70	50
	Time	(hr)	10	6	20	10	10
	pH value		8.5	9	9	7.5	8.5
Heat Treatment	Temperature	(°C)	105	200	500	200	105
	Time	(hr)	3	3	3	3	3
Analytical Value of Final Product (parts by weight with respect to 100 parts by weight of Al)		Mo	0.45	0.21	0.25	0.45	0.45
		Si	4.6	4.4	4.8	2.8	9.3

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Please replace Table 2 on page 34 with the following amended Table 2:

Table 2. Manufacturing Conditions for Aluminum Pigments and Analytical Values of Compositions

Item			Referential Example 6	Referential Example 7	Referential Example 8	Example 9	Example 10	
Aluminum Particles	Quantity	(g)	100	100	100	100	100	
Molybdenum Compound or Pretreatment	Type		Mo/H <sub>2</sub> O <sub>2</sub> 30%aq <sup>-1</sup>	phosphomolybdic acid <sup>-2</sup>	Mo/H <sub>2</sub> O <sub>2</sub> 30% aq <sup>-1</sup>	3-aminopropyl triethoxysilane	Mo/H <sub>2</sub> O <sub>2</sub> 30% aq <sup>-1</sup>	
	Quantity	(g/g)	0.5/10	2.5	0.5/10	3	0.5/10	
Solvent	Type		IPA <sup>-3</sup>	MFDG <sup>-4</sup>	IPA <sup>-3</sup>	IPA <sup>-3</sup>	IPA <sup>-3</sup>	
	Quantity	(g)	600	600	600	600	600	
Molybdenum Coat Covering Conditions	Temperature	(°C)	50	50	50	--	--	
	Time	(hr)	1	1	1	--	--	
Organic Silicon Compound	Type		TEOS <sup>-5</sup>	tetramethoxysilane	TEOS <sup>-5</sup>	TEOS <sup>-5</sup>	TEOS <sup>-5</sup>	
	Quantity	(g)	160	15	40	30	30	
Silane Coupling Agent	Type		--	--	--	DTMS <sup>-6</sup>	PTES <sup>-7</sup>	
	Quantity	(g)	--	--	--	10	10	
Hydrolytic Catalyst			triethanolamine	3-aminopropyl triethoxysilane	nitric acid	monoethanolamine	monoethanolamine	
Covering Conditions for Silica Coat and/or Coat Prepared From Silane Coupling Agent	Temperature	(°C)	50	90	50	50	50	
	Time	(hr)	10	20	40	10	10	
	pH value		8.5	9	2.5	8.5	8.5	
Heat Treatment	Temperature	(°C)	105	200	105	105	105	
	Time	(hr)	3	3	3	3	3	
Analytical Value of Final Product (parts by weight with respect to 100 parts by weight of Al)			Mo	0.45	1.2	0.45	0	0.45
			Si	17.5	2.5	1.8	4.7	4.5

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Please replace the paragraph beginning on page 36, line 5 and ending on line 9 with the following amended paragraph:

<Performance Evaluation>

The aluminum pigments obtained according to ~~Examples 1 to 10~~ Referential Examples 1-8, Examples 9-10 and comparative examples 1 to 3 were subjected to performance evaluation on the basis of the following measuring or evaluation method. Tables 4 to 6 show the evaluation results.

Please replace Table 4 on page 38 with the following amended Table 4:

Table 4: Evaluation Results of Aluminum Pigment and Water-Based Paint

Item		Referential Example 1	Referential Example 2	Referential Example 3	Referential Example 4	Referential Example 5
Evaluation Result of Aluminum Pigment	Stability	0	0	0	0	0
Evaluation Result of Water-Based Paint	Gas Yield (cc)	0	0	0	0	0
	Color Tone of Painted Plate	4	4	4	5	4
	Moisture Resistance/ Adhesiveness of Film	3	3	4	4	3

Please replace Table 5 on page 39 with the following amended Table 5:

Table 5: Evaluation Results of Aluminum Pigment and Water-Based Paint

Item		Referential Example 6	Referential Example 7	Referential Example 8	Example 9	Example 10
Evaluation Result of Aluminum Pigment	Stability	0	0	0	0	0
Evaluation Result of Water-Based Paint	Gas Yield (cc)	0	0	0	0	0
	Color Tone of Painted Plate	3	5	5	5	5
	Moisture Resistance/ Adhesiveness of Film	3	4	3	5	5

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Please replace the paragraph beginning on page 39, line 5 and ending on line 9 with the following amended paragraph:

It is understood from the results shown in Tables 4 to 6 that each of the water-based paints blended with the aluminum pigments according to ~~Examples 1 to 10~~ Examples 9-10 generates absolutely no gas and is remarkably excellent in color tone of the painted plate and base adhesion of the film as compared with each of the water-based paints blended with the aluminum pigments according to comparative examples 1 to 3.